

INVITATION FOR BIDS (IFB) NO. 97-115
TO
FURNISH AND DELIVER
FIBER OPTIC VIDEO TRANSPORTS
FOR
INFORMATION TECHNOLOGY SERVICES
UNIVERSITY OF HAWAII
HONOLULU, HAWAII

MAY, 1997

BOARD OF REGENTS
UNIVERSITY OF HAWAII
HONOLULU, HAWAII

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IT IS THE RESPONSIBILITY OF ALL BIDDERS TO CHECK THE TABLE OF CONTENTS TO CONFIRM THAT ALL PAGES LISTED THEREIN ARE CONTAINED IN THEIR BID PACKAGE.

BIDDER'S REMINDER:

Tax Clearance Certificate or OPPRM Form 128, CERTIFICATION FOR TAX CLEARANCE, (see Special Provisions).

NOTICE TO BIDDERS

BID FORMS for IFB No. 97-115, Fiber Optic Video Transport, will be available from and received in the OFFICE OF PROCUREMENT, PROPERTY AND RISK MANAGEMENT, UNIVERSITY OF HAWAII, 1400 LOWER CAMPUS ROAD, ROOM 15, HONOLULU, HAWAII 96822, (an unofficial copy of the IFB is available on the Internet at <http://www.state.hi.us/bids/notice01.htm>) and must be submitted no later than 2:30 p.m., June 5, 1997, and at that time will be publicly opened.

Bids received after the time and date fixed for opening will not be considered.

Vendors located outside the Island of Oahu, Hawaii, USA, may request an official copy of the IFB by providing the vendor's name, address, contact person, telephone number, facsimile number, and an account number, billable to the receiver, for express shipment. Requests may be submitted via facsimile, (808) 956-2093. Direct all questions to Bruce Isaacs, telephone 956-8634.

Kenneth P. Mortimer
President, University of
Hawaii and Chancellor,
University of Hawaii at Manoa

Advertised: Honolulu Advertiser
Issue of: May 23, 1997

NOTICE TO BIDDERS

OPPRM FORM 115

BUSINESS CLASSIFICATION CERTIFICATION STATEMENT

(See Official Document)

BID FORM
TO
FURNISH AND DELIVER
FIBER OPTIC VIDEO TRANSPORT

Office of Procurement, Property
and Risk Management
University of Hawaii
1400 Lower Campus Road, Room 15
Honolulu, Hawaii 96822

To Whom It May Concern:

The undersigned has carefully examined the INVITATION FOR BIDS (IFB) NO. 97-115, TO FURNISH AND DELIVER FIBER OPTIC VIDEO TRANSPORT FOR INFORMATION TECHNOLOGY SERVICES, UNIVERSITY OF HAWAII, HONOLULU, HAWAII, and offers to furnish and deliver the equipment to Information Technology Services, Distance Learning & Instructional Technology, 1733 Donaghho Road, Kuykendall 202, Honolulu, Hawaii 96822, in strict accordance with the true intent and meaning of the Invitation for Bids (IFB) and shall complete delivery within NINETY (90) consecutive calendar days from the date designated in the Notice to Proceed, as follows:

BASIC BID

<u>Item</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit Price</u>	<u>Total Amount</u>
1.	Fiber Optic Audio/Video Frames for a 10-channel bi-directional transport as per Technical Specifications. Shall include chassis, power supply, optical transmitters, optical receivers, and any additional components required for a fully operational system excluding the modulator/encoder, demodulator/decoder, and any additional spare components. Contractor shall configure frames to accomodate required channels with provisions for future upgrade. The quantity of frames required for the video transport may vary contingent upon the configurations being offered;	_____	\$_____	\$_____

<u>Item</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit Price</u>	<u>Total Amount</u>
	therefore, bidder shall bid the amount of frames necessary for their configuration. Manufacturer and Model No. Offered _____			
2.	Audio/Video Modulator/Encoder for fiber transport.	20	\$_____	\$_____
	Manufacturer and Model No. Offered _____			
3.	Audio/Video Demodulator/ Decoder Cards for fiber transport.	20	\$_____	\$_____
	Manufacturer and Model No. Offered _____			
4.	Spare Power Supply for fiber transport.	2	\$_____	\$_____
	Manufacturer and Model No. Offered _____			

TOTAL AGGREGATE BID, ITEMS 1 - 4 = \$_____

Prices shall be f.o.b. destination, including configuration charges,
and all applicable taxes.

Bidders must bid on all items in order to be considered for award.

QUANTITY

The University reserves the right to increase or decrease the amount
of any item at the time of award, and the Contractor agrees to furnish
and deliver the additional or decreased quantity at the unit prices
quoted herein.

TAX LIABILITY

Both out-of-state and Hawaii bidders are advised that the amount bid
on this solicitation is subject to the general excise tax (currently
4%) imposed by Chapter 237, Hawaii Revised Statutes (HRS) and, if
tangible property is being imported into the State of Hawaii for
resale, the use tax (currently 1/2%) imposed by Chapter 238, HRS.

(Refer to Tax Clearance in the Special Provisions and Taxes in the General Provisions.) Bidders are therefore cautioned to consider such taxes in formulating their bids since no adjustments to the prices bid shall be allowed.

BASIS FOR AWARD

The award of contract, if awarded, shall be made to the lowest responsive and responsible bidder on the **TOTAL AGGREGATE BID**.

NOTE TO BIDDERS

An acceptable bid must conform in all material respects to this Invitation for Bids. Any of the following may be grounds for disqualification:

1. Taking exception to any of the specifications, terms or conditions contained in the IFB.
2. Placing conditions on the furnishing of solicited goods or services.
3. Inclusion of a quotation or order form containing additional specifications, terms or conditions.
4. Referencing external documents containing additional specifications, terms or conditions.

Bidders are advised that bids are evaluated as submitted and requests by bidders to delete conditions contained in their bids after bid opening cannot be considered.

In the event that the undersigned is awarded this contract and its remittance address differs from the address shown on the next page, please indicate remittance address below:

Street Address or P. O. Box

City State Zip Code

SIGNATURE PAGE
(See Official Document)

CERTIFICATION FOR TAX CLEARANCE

RE: IFB No.: _____

Project/Title: _____

I certify that I have submitted a State and IRS tax clearance application (DOTAX Form A-6) by mail on _____,

(date)

and have not received an original or certified copy at the time I submitted this offer.

Upon receipt of a tax clearance, I will immediately send an original or certified copy by mail to:

Office of Procurement, Property
and Risk Management
University of Hawaii
1400 Lower Campus Road, Room 15
Honolulu, Hawaii 96822

Signature (Original): _____

Printed Name: _____

Title: _____

Company Name: _____

Date: _____

TECHNICAL SPECIFICATIONS

This section indicates the Technical Specifications for the equipment required. The Technical Specifications listed herein are the minimum requirements and are mandatory for an accepted bid.

SCOPE

The University requires a modular system for bi-directional video transmission over TWO (2) single mode fibers. This system must be compact and expandable to meet current and future requirements. The initial system shall consist of TWO (2) sites with TEN (10) bi-directional video channels (20 channels total) and shall be expandable.

FEATURES

1. Shall be modular frame design.
2. Minimum of TEN (10) video channels per optical wavelength.
3. Shall support FOUR (4) audio per video channel.
4. Shall have Quad T-1, Octal RS-232, or Dual RS-449 capability using optional module.
5. Shall have transparent interconnection of modules within frame.
6. Shall have Drop/Add/Pass capability.
7. Shall be field upgradable.
8. 0 dBm or better optical transmitter.
9. Initial system shall fit 19" EIA standard rack using no more than FOURTEEN (14) units (24-1/2") at each side.

SPECIFICATIONS

1. Capacity
 - a. Video channels: minimum 10 per wavelength.
 - b. Audio or Data
 - c. Channels: up to 40 per wavelength.
2. Performance
 - a. Input/Output levels: video: 1 V p-p.
audio: 0dBm (average).
 - b. Impedance: video: 75 ohm.
audio: 600 ohm.
 - c. S/N Ratio: video: >55 dB.
audio: >70 dB.
 - d. System Bandwidth: video: 6 MHz.
audio: 20 Hz to 20 kHz.
 - e. Differential Gain: <2%.
 - f. Differential Phase: <0.7 degrees.
 - g. Total Harmonic Distortion: audio: <0.5%.

3. Optical
 - a. Wavelength: 1310 nm and/or 1550 nm.
 - b. Fiber Type: 8.3/125 single mode fiber.
 - c. Optical budget: 25 dBm.
4. Connectors
 - a. Optical: FC.
 - b. Video: BNC.
 - c. Audio/Data: Screw-type terminal block.
5. Electrical
 - a. Operating voltage: 110 - 120 VAC.
6. Mechanical
 - a. Rack size: configured system shall fit within 14 racks unit.

All questions pertaining to the Technical Specifications shall be directed to Lionel Shigemura, Electronics Technician, telephone (808) 956-6261, fax (808) 956-5024.

Bidders are cautioned to review the Technical Specifications carefully and thoroughly. Objections to or requests for clarification of the specifications shall be made in writing in accordance with the General Provisions to the Office of Procurement, Property and Risk Management prior to the submittal of a bid. The submittal of a bid shall be considered as acceptance of the specifications as published.

SPECIAL PROVISIONS

1. SCOPE

The Furnishing and Delivering of Fiber Optic Video Transport for Information Technology Services, University of Hawaii, Honolulu, Hawaii shall be in accordance with the terms and conditions of IFB No. 97-115 and the General Provisions dated February 23, 1996 included by reference. Copies of the General Provisions are available at the Office of Procurement, Property and Risk Management, University of Hawaii, 1400 Lower Campus Road, Room 15, Honolulu, Hawaii 96822 or the General Provisions may be viewed at: <http://www.state.hi.us/bids/notice03.htm>

2. TECHNICAL REPRESENTATIVE OF THE PROCUREMENT OFFICER (TRPO)

The Technical Representative of the Procurement Officer is Lionel Shigemura, Electronics Technician, telephone (808) 956-6261, fax (808) 956-5024.

3. SUBMITTAL OF TECHNICAL DATA

With their bids, bidders shall submit, in duplicate, manufacturer's literature or brochures with technical data and illustrations of the equipment being offered. **Technical data must demonstrate that the equipment being offered meets or exceeds the minimum requirements of the Technical Specifications.** All bids will be evaluated by the information submitted at the time of bid opening; therefore, any changes/additions to the technical data should be noted.

4. DELIVERY

Prior to delivery, the Contractor shall contact the Technical Representative to coordinate delivery of the equipment.

5. MANUALS AND INSTRUCTIONS

The Contractor shall provide the University with ONE (1) copy of instructions, operating manuals, and service manuals of the equipment furnished under this contract.

6. WARRANTY

The equipment furnished shall be new and as specified. The Contractor shall warrant that all workmanship and materials of equipment furnished under this contract shall be guaranteed for a period of ONE (1) year from the date of acceptance. The Contractor shall replace and/or repair any defective workmanship and/or materials at no cost to the University during the period of warranty, provided such defects are not due to abuse or negligence on the part of the University.

7. PAYMENT

The Contractor shall be remunerated after satisfactory delivery and upon submission of a properly executed original invoice and ONE (1) copy, indicating the contract number, to Information Technology Services, Administrative Services, 2425 Campus Road, Sinclair 10, Honolulu, Hawaii 96822, no later than THIRTY (30) calendar days following submission of invoice and the acceptance of the equipment.

8. TAX CLEARANCE FOR CONTRACTS

In accordance with Section 103-53, HRS, bidders shall submit with their bid packages, original tax clearances from the State of Hawaii Department of Taxation and the Internal Revenue Service. In the event bidders are unable to obtain a tax clearance by mail in time to include it with their bid packages, bidders may submit a completed OPPRM Form 128, CERTIFICATION FOR TAX CLEARANCE, in place of the DOTAX Form A-6, with their bid packages. However, an original tax clearance must be provided before contract award. Tax clearances obtained shall certify that all tax returns due have been filed, and all taxes, interest, and penalties levied or accrued under the provisions of Title 14 that are administered by the State of Hawaii Department of Taxation and under the Internal Revenue Code against the bidder, have been paid. This shall apply to all contracts, whether with Hawaii bidders, out-of-state bidders, or nonprofit organizations.

This shall not apply to bidders if the State of Hawaii Department of Taxation certifies that the bidder is in good standing under a plan in which delinquent taxes are being paid to the State of Hawaii Department of Taxation (and the Internal Revenue Service, if applicable) in installments.

Offers that are not accompanied by original tax clearances or OPPRM Form 128, CERTIFICATION FOR TAX CLEARANCE, may be considered as non-responsive and may be rejected.

Any questions pertaining to tax clearances may be addressed to the following:

- a. Internal Revenue Service, Compliance Division - LTC
300 Ala Moana Boulevard, #50089
Honolulu, Hawaii 96850-4922
Telephone No.: (808) 541-1160
- b. Department of Taxation
State of Hawaii
Oahu District Office
P.O. Box 259
Honolulu, Hawaii 96808-0259
Telephone No.: (808) 587-4242
Toll-Free: 1-800-222-3229

9. TAX CLEARANCE FOR FINAL PAYMENT

General Provision 7.2 entitled Tax Clearance, is hereby deleted and shall be replaced by the following:

TAX CLEARANCE FOR FINAL PAYMENT

In accordance with Section 103-53, HRS, final payment for the settlement of the contract will not be made by the University until the Contractor has submitted to the University original tax clearances from the State of Hawaii Department of Taxation and the Internal Revenue Service. Tax clearance shall certify that all tax returns due have been filed, and all taxes, interest, and penalties levied or accrued under the provisions of Title 14 that are administered by the State of Hawaii Department of Taxation and under the Internal Revenue Code against the Contractor have been paid.

Notwithstanding Sections 40-57 and 40-58, HRS, if a Contractor fails to provide the original tax clearances within SIX (6) months of the notice of final settlement or completion date of the contract, the University shall assign the final settlement payment in an amount not to exceed the tax liability to the State of Hawaii Department of Taxation or Internal Revenue Service, provided that the State of Hawaii Department of Taxation may first offset its tax debt against the sum owed to the Contractor. This shall apply to all contracts whether with Hawaii vendors, out-of-state vendors, or nonprofit organizations.

The foregoing shall not apply to the Contractor if the State of Hawaii Department of Taxation certifies that the Contractor is in good standing under a plan in which delinquent taxes are being paid to the State of Hawaii Department of Taxation (and the Internal Revenue Service, if applicable) in installments.

Any questions pertaining to tax clearances may be addressed to the following:

- a. Internal Revenue Service, Compliance Division - LTC
300 Ala Moana Boulevard, #50089
Honolulu, Hawaii 96850-4922
Telephone No.: (808) 541-1160
- b. Department of Taxation
State of Hawaii
Oahu District Office
P.O. Box 259
Honolulu, Hawaii 96808-0259
Telephone No.: (808) 587-4242
Toll-Free: 1-800-222-3229